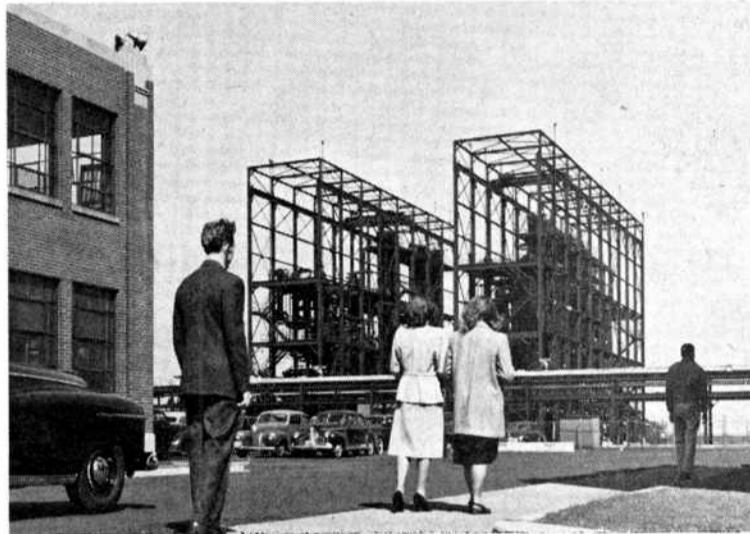


CREDIT UNION PLANNED FOR Y-12



HERE IS A VIEW OF THE CARBIDE WHITING PLANT taken from a large storage tank at the south end of the area with the camera pointed toward the main gate in the background.



THE HUGE FRAMEWORKS OF TWO COMPRESSOR UNITS dominate the scene at the main gate of the Carbide Whiting plant. At left is a corner of the works laboratory building.

Representative Plant Group Behind Move

Plans for the formation of a credit union by and for employees of Y-12 rapidly are nearing completion and such an organization probably will be placed in operation here within the next few weeks.

For several weeks a representative committee with members from all sections of the plant have been discussing plans for launching the credit union. The committee members are Allen M. Schrader, Field Maintenance; W. K. Palmer, Manufacturing Offices; Clarence Johnson, Safety; Winfred Ray, Product Chemical; and Don Phillips, Technical Service Laboratory.

Federal Information Sought

The committee has written J. T. Coates, federal credit union representative, in Atlanta, asking that the Federal Credit Union Agency send a representative here to explain operational details of the proposed credit union and federal requirements for such an organization. When this information is obtained, further steps toward organization are expected to be taken by the committee.

Credit unions come under jurisdiction of federal and state banking laws. Officers serve without pay and the objective of the credit unions is to provide a quick and easy way for employees to negotiate small loans and repay them on installments.

6,000,000 In Credit Unions

In the United States and Canada there now are 13,000 credit unions in operation with some 6,000,000 members. The assets of the credit unions was more than \$1,000,000,000 and loans outstanding amounted to about \$675,000,000.

The Y-12 committee has emphasized that the proposed credit union in the plant will be to serve the needs of every employee.

Credit unions now operating in Oak Ridge serve employees at the Oak Ridge National Laboratory, Atomic Energy Commission and Roane-Anderson Co. Employees at K-25 also are planning to form such an organization.

Y-12 Absentee Record Shows Big Decrease

Plant absenteeism took a big drop in Y-12 during the week ending May 21, falling off .3 per cent from the previous week's figures to show that only 1.7 per cent of all Y-12ers were absent during that week. The all-time low record for Y-12 is 1.6 per cent, established during the week ending December 11, 1949, and tied during the week ending May 7.

Field Maintenance On Top

The two leading departments in the Major League of departments with more than 50 employees scheduled switched places for the week ending May 21 from the preceding week. Field Maintenance advanced from second place to first and barely missed a perfect attendance mark as only .19 per cent of its employees were absent. The Guard Department, first place holders for the week ending May 14, dropped down to second place the next week but still had a splendid record of only .23 per cent absenteeism.

The Chemical Department, in sixth place for the week ending May 14, advanced to third place in the Major League and had an

(Continued on Page 2)

Carbide Offers 'Favorite Story' Radio Program

Carbide will sponsor one of the nation's favorite radio programs, "Favorite Story," for a 13-week period beginning Sunday night, June 4, over Oak Ridge Station WATO. The broadcast hours are from 7 p.m. to 7:30 p.m.

"Favorite Story" is a Mutual network feature and Ronald Coleman is cast as narrator, supported by some of the leading actors and actresses in radio and moving pictures. The stories to be dramatized include many of the classics of literature such as "Little Women," "Connecticut Yankee," "Moby Dick" and "Arabian Nights."

The programs will be presented every Sunday night through June, July and August.

Carbide's Plant At Whiting, Ind., In Operation For 16 Years, Is Located In Heart Of Industrial Region On Lake Michigan

Nestled on a 40-acre strip of "made" shore land beside Lake Michigan in the most northwestern county of Indiana is the Whiting plant of Carbide and Carbon Chemicals Division of Union Carbide and Carbon Corporation. Now in its 16th year of operation, Carbide at Whiting is the leader of that region's chemical industries and a typical example of the organizational and technical skill of the Carbide family.

That section of Indiana is known as the Calumet region and it is one of the world's greatest and most rapidly developed industrial area. In this area, approximately 16 miles long and eight miles deep, nearly 200 industries manufacture an infinite variety of products and cover the entire range of the industrial field from food to steel.

Once Occupied By Indians

Once it was Indian country, a land of impenetrable marshes, the home of the Potawatomi tribe. The last of these redskins were moved from the territory by the federal government to their reservation in Kansas in 1850 and a few white settlers began to trickle into Lake County. Industrialization of the area began in 1889 when the Standard Oil Co. of Indiana opened a refinery, utilizing oil from a recently developed field in Ohio.

In the Whiting plant, as in other plants of the Chemicals Division, the basic raw material used is gas—in this case mostly refinery gas produced right across the street. Processes at Whiting involve the use of heat, cold, pressure and vacuum in the plant's more than 100 miles of piping, red brick buildings and silver gray tanks. These processes, combined with the skill of Carbide's employees, produce synthetic organic chemicals that play a vital part in the economic structure of the nation.

Near the southwest gate of the plant towers the gargantuan skeletal structure of the gas separation unit. This unit, plus squat, seething furnaces and huge compressors, are the "big three" of the gas processing units.

Power House Being Erected

Further to the west steel girders slowly are probing skyward, forming the framework for a new

(Continued On Page 4)



6-1474 Y-12 Photos By Vince Moore
IT WAS A GOOD DEAL FOR EVERYBODY WHEN THE Oak Ridge Lions Club awarded \$250 to two high school seniors to help defray their college expenses. From left are Billie Jean Hurt, one of the recipients; her father, S. S. Hurt; Roy Burton Roseberry, Jr., the other recipient; Dr. Russell Baldock, of Y-12 chairman of the Lions Club educational committee that selected the two youngsters for the awards; and R. B. Roseberry, Sr., also of Y-12 and father of the youth who will use his scholarship fund to attend the University of Cincinnati.

Son Of Y-12er Gets Scholarship Award Of \$250 From Lions Club

The Oak Ridge Lions Club made a substantial contribution to the education of a son of a Y-12er at its regular meeting May 22, when the club presented Roy Burton Roseberry, Jr., a \$250 scholarship. Young Roseberry, 17, is the son of R. B. Roseberry, Sr., of the Isotope Research and Production Department and graduates from the Oak Ridge High School this spring.

Y-12ers Invited To Attend Seminar On Metallurgy

Y-12ers interested in metallurgy are invited to attend a seminar session on the subject to be held at 4 o'clock Thursday afternoon, June 1, in the East Lounge of the Ridge Recreation Hall. Prof. U. Dahlinger, director of the Institute of Applied Physics of the Technical High School at Stuttgart, Germany, and also of the Max Planck Institute for Investigation of Metals, will be the principal speaker. His subject will be "Nature of the Cold Worked State of Metals."

The Roseberry scholarship was one of two presented by the club. The other went to Billie Jean Hurt, daughter of S. S. Hurt, of the Oak Ridge National Laboratory.

Recommended By Committee

The two candidates for the scholarships were recommended by the Lions Club educational committee of seven members, of which Dr. Russell Baldock, of Y-12, is chairman. The \$250 awards were presented to the youngsters by Walter Mills, first vice president of the club, in the absence of Dr. C.P. Keim, of Y-12, president of the organization, who was out

(Continued on Page 4)

Saturday Bus Hours Same As Week Days

American Industrial Transit has announced that the bus schedule to the Carbide plants on Saturday, June 3, will be the same as usual week days. Employees at Y-12, K-25 and the Oak Ridge National Laboratory will work on that day as a result of being off Monday, May 29, as a part of the long Memorial Day holiday.

SAFETY SCOREBOARD

Your Plant Has
Operated
341 DAYS
Without A Lost Time
Accident
THROUGH MAY 28

The Bulletin

Published Weekly By And For
Y-12 Employees Of
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OFFICE

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Telephone 7-8252

Y-12 Absentee Mark Shows Big Decrease

(Continued from Page 1)

absentee mark of only .6 per cent. In the Minor League of departments with 15-49 employees scheduled, seven departments reported "all present" during the week ending May 21. This was the same number as the previous week.

Four Departments Are Repeaters

Of the seven tied for top position, four were repeaters from the preceding week. They were the Laundry, Cafeteria and Canteen, Receiving and Shipping and Planning and Estimating. Plant Engineering rose from second place to join the perfect attendance bracket as did the Steam Plant, advancing from fourth place. Employee Relations, not listed the previous week, rounded out the seven top departments in the Minor League.

The Property Department rose from eighth place to second in the Minor League and reported an absentee record of an even one per cent. In third place was Uranium Control and Computing with an absentee mark of 1.3 per cent. This department was in a first place tie the preceding week.

The Y-12 plant absentee record for the week ending May 21, by departments, follows:

MAJOR LEAGUE			
More Than 50 Employees Scheduled			
Dept.	Absent Percentage	Standing	5-21-50 5-14-50
2015	0.19	1	2
2091	0.23	2	1
2619	0.6	3	6
2300	0.8	4	7
2003	1.0	5	5
2014	1.3	6	3
2283	1.4	7	8
2616	1.5	8	4
2077	1.9	9	11
2360	2.6	10	12
2320	2.8	11	10
2282	3.2	12	13
2142	3.4	13	9

Group absentee percentage was 1.5 per cent, .5 per cent lower than the preceding week.

MINOR LEAGUE			
15-49 Employees Scheduled			
Dept.	Absent Percentage	Standing	5-21-50 5-14-50
2096	0.0	1	1
2107	0.0	1	1
2143	0.0	1	1
2002	0.0	1	1
2060	0.0	1	2
2743	0.0	1	4
2109	0.0	1	-
2140	1.0	2	8
2739	1.3	3	1
2008	2.3	4	1
2133	2.6	5	6
2005	2.87	6	1
2200	2.92	7	5
2270	5.9	8	3
2001	8.2	9	7

Group absentee percentage was 2.2 per cent, .1 per cent higher than the preceding week.

The plant average for the week ending May 21, 1950 was 1.7 per cent, .3 per cent lower than the preceding week.



The following Y-12 employees were patients at the Oak Ridge Hospital last week: Hugh F. Aiken, Plant Engineering; Mildred S. Johnson, Analytical Laboratory; Naomi K. Smelcer, Employee Relations; and Mary F. Williams, Janitors.

Most of the 1949 accident toll was made up of one or two-death accidents. The National Safety Council says that only three catastrophes caused as many as 50 deaths each—an Illinois hospital fire, an Arkansas tornado and the crash of a scheduled air transport plane at the Washington, D. C., airport.

Written Language Being Established For Indians By Kin Of Y-12er; Years Are Required For Task



6-1452 Y-12 Photos By Vince Moore
MISS JOYCE JENKINS, LEFT, USES MRS. HELEN BABB as a model for some garments worn by the Otomi Indians of Mexico, where Miss Jenkins has been working for years to help establish a written language for the tribe. The voluminous skirt is as big around the waist as at the hemline and is fitted by tucking and then fastened with a wide scarf-like belt. The blouse is hand embroidered. The headpiece is of wool and the Indian women wear it braided with their own hair, which is worn long. At right is Harold Babb, of Y-12, somewhat puzzled over the strange garb shown by his wife.



The outdoor picnic season is here again—The Analytical Laboratory enjoyed a covered dish supper Thursday night, May 18, at the Grove picnic grounds. The guys and gals started tossing horseshoes and Daisy Ward and Al Stevens were crowned champions—for the time being, at least.

Folks in the Chemical Research Department seem to be getting around—all around the country, that is . . . The C. C. Haws and the W. T. Wards spent a week's vacation just loafing and fishing at Fontana . . . D. A. Lee and family are vacationing for two weeks at Pelican Rapids, Mich. (wonder if the Michiganders ever saw a rapid pelican?) . . . W. L. Lowry is back after a two-week vacation in Knoxville . . . W. F. Arendale and family went over to Murfreesboro, Tenn., for a recent week-end visit . . . F. G. Seeley and wife, Katie, a former Y-12er, spent a two-week vacation out in Nebraska . . . The final returns aren't in yet but the department figures from the conversation that some of the lads threw a bachelor's stag party in Cincinnati May 20 for John Redman, who was scheduled to have been married Saturday. George Nettle, C. F. Coleman and Ted Bartlett are reported the chief hosts—or conspirators . . . Virginia Smith met her husband in Washington and they motored to Virginia Beach for the Memorial Day holidays . . . Jean Rogers spent the same holiday period with her folks in Pontiac, Mich. . . . Bill Lukeman took some friends home with him to Hannibal, Ga., for the holidays, including Florence Housch, Dee Carter and Dick Lovelless . . . Mary Barnes visited her folks in Montgomery, Ala., over the Memorial Day holidays . . . Adolph Roemer also went to Montgomery for the holidays . . . The aforementioned John Redman is combining vacation and honeymoon. Where? Don't be foolish.

Delving into the fascinating field of the unknown by a few pioneering souls has brought great progress to the world and undoubted satisfaction to those responsible for the strides taken in solving the mysteries of science and the history of mankind.

When such steps are taken in the interest of religion—through establishing a written language for large groups of humanity previously without such a language and thereby making possible teaching of the Bible—the satisfaction nears the ultimate.

Activities Are Varied

That is the impression gained from a conversation with Miss Joyce Jackson, an aunt of Mrs. Helen Babb, wife of Harold Babb, a Y-12er in the Maintenance Shops Department, who visited her niece at her Oak Ridge home on Wadsworth Drive over a recent week end. Miss Jackson probably describes herself primarily as a linguist but her work with Indians in the wilds of Mexico include not only that but a wide variety of other activities such as rendering medicinal aid, dressmaking, teaching and general advisor to the some 75,000 members of the Otomi tribe of Indians with whom she has been working for the past six years.

Miss Jackson is one of about 130 representatives of the Wycliffe Bible Translators, of Glendale, Cal., now in Mexico studying the many unwritten languages of the Indians of that nation. The Wycliffe group is interdenominational in character. At present the organization has representatives with 46 out of the 56 Mexican Indian tribes, all with different languages and all previously without a way in which to communicate by writing. In many of these tribes there are more than one dialect; for instance the Otomis have three different dialects that are almost entirely different from each other.

Many Years of Work Needed

The task of the Wycliffe representatives is to enter the Indian country, become acquainted with the people and then begin the monumental job of learning their spoken language. Perhaps after three or four years of work enough progress is made to compile a first draft of the language so that it can be put into writing—but often it takes much longer.

In "manufacturing" the written languages for the Indians, Miss Jackson explains, the International Phonetic Alphabet is used. This alphabet contains characters sufficient to express the sounds of all known languages and has proven the most satisfactory common ground on which to approach the subject.

Representatives Work In Pairs

The representatives work in pairs and their study frequently is interrupted by the need of rendering medical aid, helping women cut out garments, acting as a general "fixit" shop and other tasks. Miss Jackson has been working since 1943 in a village known as San Gregorio, population approximately 1,000. It is in the state of Hidalgo, about 200 miles north of Mexico City and requires a journey of about seven hours by bus and 10 more by horseback to reach it from the capital city. The village is about 4,000 feet above sea level.

Miss Jackson reported the Indians were somewhat suspicious and uncooperative when the Wycliffe work was started. However, through patience and rendering service for the welfare of the people, confidence was gained and interest aroused in the minds of the natives. This interest has grown steadily, she relates, and the chief of the tribe has learned to write in the language provided by the Wycliffe group.

Villages On Mountain Tops

Living conditions in the Otomi country are as primitive as might be expected of a tribe without a written language. The tribe has about 300,000 members and most of their villages are on mountain tops—with springs of water sometimes a half-mile down the moun-



REDMAN—KINCAID

A marriage of interest to many Y-12ers was that of Miss Jean McGimsey Kincaid, of the physics department of the Oak Ridge National Laboratory; and John D. Redman, of the Y-12 Chemical Research Department; on Saturday, May 27. The ceremony took place at the Chapel-On-The-Hill with the Rev. Frank Porter, pastor of the Oak Ridge First Methodist Church, officiating.

The bride is the daughter of Mr. and Mrs. J. S. Kincaid, of Morgantown, N.C. Redman is the son of Mr. and Mrs. John Redman, of Oakland City, Ind.

The bride was given in marriage by her father. At her wedding Mrs. Redman wore white satin with fingertip veil. Her only jewelry was a string of pearls and she carried a white orchid on a white prayer book.

Mrs. Arnold Crisp, of North Carolina, sister of the bride, was matron of honor. She wore light green organdy and carried a basket of yellow snapdragons. Bridesmaids were Miss Ruth Jones, of Y-12; Miss Jane McFarland, of Miami, Fla.; and Mrs. James Harter, of Oak Ridge. They all wore gowns of green and carried mixed spring flowers.

During the wedding ceremony nuptial music was given by Carl Noe, soloist, who sang "Because," "I Love Thee," and "The Lord's Prayer."

George Nettle, of Y-12, was best man and ushers were Warren R. Grimes, of Y-12; Al Crisp, of North Carolina; and Ray Gustafson, of Oak Ridge.

A reception was held at the Ridge Recreation Hall immediately after the ceremony.

Out of town guests, in addition to members of the immediate families of the bride and groom, included Mr. and Mrs. Charles Shaw and son, Charlotte, N.C., and Mr. and Mrs. F. H. Lackey, Fallston, N.C.

Redman is a graduate of the University of Indiana while his wife attended Maryville College, Maryville, Tenn.

The couple left after the reception for a honeymoon trip and will live in Oak Ridge on their return.

tainside with the women of the tribe doing the hauling of water. The tribe is primarily an agricultural group with little of the metallurgical traits of other Indian tribes in Central America.

Periodically the Wycliffe representatives are called from the field to teach for three months at the Linguistic Institute at the University of Oklahoma, Norman, Okla. Here they instruct others desiring to enter the field. Those representatives not called out to teach remain on the job the year around with a 30-day vacation each year. They also are required to leave their headquarters in the Indian villages for one week each six months for a rest period and to "get away from it all."

Lived Nine Years In Knoxville

Miss Jackson is a native of Georgia and calls Atlanta her home. However, she lived for nine years in Knoxville, leaving there in 1927. She has been with Wycliffe since 1943. During her recent visit she lectured on her activities in Knoxville and also gave a talk to youngsters at the Highland View school, where she displayed some dresses and other articles made by the Otomis. On departure from Oak Ridge she went to Atlanta and from there she will go to the University of Oklahoma for a period of teaching.

The work of the Wycliffe organization was started in 1934. Miss Jackson said. Beginning in Mexico the activities of the organization now have been expanded to Peru, where 40 representatives are busy.

Health is the chiefest good; content, the richest treasure; peace of mind, the best friend.

Happiness is that peculiar sensation you acquire when you are too busy to be miserable.

(Continued on Page 4)



6-1477

Y-12 Photos By Vince Moore

MAYBE IT IS BEING A LITTLE SYMPATHETIC—BUT we are publishing a picture of a losing rather than a winning team in the Plant Softball League. Above are the Rippers, apparently not disheartened over being socked with a 21 to 2 defeat by Bldg. 9212 and also proud of the two runs they did get, as shown by the extended fingers. Players in the front row are A. K. Bowles, John Gordon and Willie Fowler. In the rear are Russell Alston, Harold Babb, Bill Lowery, Bruce Harrington, Tom Webber, James McLain and Ray Mellon. The youngsters are sons of Allstun, Babb and Harrington.

Hooks Hold Slim Lead In Y-12 Golf League

The Hooks held a slim one-half point lead in the Y-12 Golf League after the divots had stopped flying last week with three teams tied for second place right behind them.

In play last week the first tie score of the season was turned in by the Rough Riders and Rippers with 13 points each in their match. The Deacons beat the Green Rays 18 to 22, the Hooks eased out a 17 to 19 win over the Four Woods, Bldg. 9212 defeated the Chippers 14 to 22 and the Four Hundreds walloped the Left Overs by 13½ to 22½.

League standing follows:

Team	W	L	Team	W	L
Hooks	4½	1	Left Overs	3	3
Bldg. 9212	4	2	Dعاcons	2½	3
Four Hundreds	4	2	Four Woods	2	4
Rough Riders	4	2	Rippers	2	4
Green Rays	3	2	Chippers	1	5

Ridge, Y-12 Bus Fare Will Be 20 Cents

Effective June 5 fares on American Industrial Transit buses running between Oak Ridge and Y-12 will be 20 cents each way, it has been jointly announced by AIT and the Atomic Energy Commission. Bus fares within the city limits of Oak Ridge will remain 10 cents, the announcement said, and school fares will remain unchanged.

Zone System Established

The new fare scale followed establishment of a zone system for AIT operations. Most Y-12 employees using bus transportation will ride a regular Townsite bus to either Central or Jefferson Terminals and will be given transfers to buses going directly to the plant. The fare will be 10 cents on the local bus plus 10 cents to any destination beyond the city limits, paid when the transfer is submitted at the work bus. Passengers boarding work buses at the terminals and not having transfers will pay the 20 cent fare on boarding the work bus.

On the return trip, passengers will pay 20 cents when boarding a bus in the plant area and receive a transfer good on any route within the city.

Applies to K-25 and ORNL

The same new fare scale will apply to employees at the K-25 plant and the Oak Ridge National Laboratory.

Buses bound for the plants will pick up passengers and discharge them on return trips it is explained.

THREE Y-12ERS IN MEET

Y-12 bowlers finished seventh, 12th and 16th in the first annual Oak Ridge round robin bowling tournament. In the 24 games of the event Roy Roberts finished seventh with a score of 4,146; Frank Gragg was 12th with 4,008 and Conrad Roberts 16th with 3,838. The event was won by Len Hart, an insurance man, with a score of 4,371.

Bldg. 9212 And All Stars Slug Foes For Overwhelming Victories

The slugging softballers from Bldg. 9212 took the undisputed lead in the Plant Softball League last week by soundly slapping over the Rippers for a 21 to 2 triumph. In the only other game of the week the All Stars bumped the Bums by the score of 15 to 2. Both of these tilts were played Tuesday night, May 23, and the Thursday night games were called off because of the afternoon cloudburst that left Oakwood Park in good shape for frog gigging.

McPherson Hits Two Homers

Bldg. 9212 made a parade out of their runaway victory over the Rippers, scoring in every inning. For the winners George McPherson got four hits and five runs out of five trips to the dish and banged out two homers. Patterson slapped out four safeties and tallied the same number of times and likewise hit for the circuit, as did Ford. Russ Alstrum hit a round-tripper for the losers.

Don Ross pitched and batted the All Stars to their victory, holding the Bums to five hits and bagging three for four on his own account. George Marrow also got a pair of hits and tallied twice for the All Stars.

League Resumes Play Thursday

After the Memorial Day holiday the league is scheduled to resume activities on Thursday night of this week, June 1. At that time the program calls for Bldg. 9212 and Isotopes to meet at 6:30 p.m. and the Rippers and Bums to play at 8 p.m. On Tuesday, June 6, the 6:30 p.m. game will be between the Bums and Isotopes while the Rippers and All Stars play at 8 p.m.

Line scores of the last week's games and standing of the clubs at the end of last week follow:

Team	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
All Stars	4	1	2	7	0	1	x	15	13	3																
Bums	0	0	1	0	0	0	1	2	5	4																

Batteries: Bums, Walton and Brown. All Stars, Ross and Twitchell.

Team	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Bldg. 9212	6	2	3	3	1	3	3	21	17	0																
Rippers	0	1	0	0	1	0	0	2	5	5																

Batteries: Bldg. 9212, Paker and Moses. Rippers, Gordon and Bowles.

Team	W	L	Team	W	L
Bldg. 9212	2	0	Isotopes	1	1
All Stars	2	1	Bums	0	3
Rippers	1	1			



JOHNNY GORDON, PITCHER for the Rippers, throws out Bill Wright, of Bldg. 9212, at first base on a toss to Bruce Harrington, in a Plant Softball League game last week.



GEORGE MARLER, OF the Bldg. 9212 team in the Plant Softball League, slides home safely in the tilt against the Rippers last week. A. K. Boles, Rippers' catcher, had to step out for the throw. The umpire is Kimbrough.



GEORGE MCPHERSON, OF Bldg. 9212, crosses the plate after hitting his second home run of the game against the Rippers last week. The catcher is A. K. Bowles and George Marler is shown coming to the plate.

Lab Lobbers Larrup Y-12ers By 6-1 In Tennis Tussles

The Y-12 men's tennis team took it on the chin from the Oak Ridge National Laboratory lobbers last week, winning only one out of six matches played. However, the Y-12ers have hopes of entering the win column this week as they are scheduled to meet the Fairchild racquetters Wednesday and AEC on Friday.

George Wells and Fred Thomas turned in the lone Y-12 victory over ORNL in the doubles, trimming Brodsky and Murray 6-3, 3-6, 6-2. Reynolds and Creek, of ORNL, beat V. Moore and Harold White, of Y-12, in the other doubles matches 6-2, 6-2. In singles Silverman beat Mal Wallis 6-4, 1-6, 6-3; Towns topped Fred Hurst 6-0, 6-2; Wilson trimmed Al Hodges 6-4, 6-4; Blacksher trounced Milard Cromer 9-7, 6-1; and Cardwell defeated C. N. Barton 6-4, 7-5.

Sperry Will Address Instrument Society

A. F. Sperry, past president of the Instrument Society of America, will speak at a meeting of the Oak Ridge Section of the organization next Wednesday, June 7, at the Oak Terrace. A dinner will precede the business session.

The topic of Sperry's talk will be "Problems and Trends in Centralized Control." He is president of Panellitt, Inc., manufacturers of automatic controls and alarm systems. The firm also makes prefabricated panels.

Sperry's professional career is outstanding. For seven years he was engineer with the Republic Flow Meter Co., later serving seven more years with the company as its vice president in charge of engineering.

During the war he was a consulting engineer for the Navy and was assigned to work with design and construction of power plants. Later he worked on control system designs and electrical instrument design. He is a graduate of Rensselaer Polytechnic Institute.

The meeting on June 7 will be the last of the season for the Oak Ridge Section.

Keglers Of Y-12 Beat R-A To Take Undisputed Lead

The Y-12 team in the Oak Ridge Summer Bowling League took over undisputed possession of first place last Thursday night at the Oak Terrace alleys by handing the Roane-Anderson keggers a four-point whitewash. The two teams went into the engagement tied for the top spot.

The Y-12ers posted games of 807, 775, 821—2,403 to 671, 692, 777—2,140 for Roane-Anderson. Frank Gragg's 612 topped the Y-12 scoring and he was followed by Riddle with 486, Park 483, Burns 451 and Duckworth 371.

SPORTS NEWS

Softy Loop Advances Time Of Night Clashes

To eliminate the necessity of serving midnight snacks caused by late ending of games, the Oak Ridge City Softball League has decided to move the starting times of its games up to 7 p.m. and 8:30 p.m. for future contests.

Y-12ers Play Thursday, Friday

Both men and women softballers of Y-12 will be seen in action during the next few days. The women will resume their series against the K-25 lassies at 7 o'clock Thursday night, June 1, as a preliminary to the Roane-Anderson and Oak Ridge Motors game. The men will go into action again at 8:30 o'clock Friday night, June 2, against Oak Ridge National Laboratory. Both of these games are scheduled for Pinewood Park.

The league will move activities to the new Midtown park on Oak Ridge Turnpike next week with Y-12 scheduled to meet the Vagabonds.

Y-12 SOFTBALL TEAMS TO MEET KNOXVILLE CLUBS ON SATURDAY

The Y-12 men and women softballers will display their talents against some of the best Knoxville teams Saturday night at the Winona Field grounds. The Robins will meet the Cas Walker girls, one of the best aggregations in the South, at 7:30 o'clock. The charges of Manager Richard Dew will play either the Vine Avenue Merchants or the Sam Horn club in the nightcap.

bonds at 7 o'clock Monday night, June 5. K-25 and Roane-Anderson will clash in the nightcap at 8:30 o'clock.

Y-12ers Maul Motors Team

Aided by eight errors by Oak Ridge Motors, the Y-12ers scored an easy 9 to 4 victory over the automobile folks last week. Ed Sise breezed along to allow seven hits and fan seven without allowing a single base on balls. Henry Kraus and Frank Snyder vied for hitting honors for the victors, each getting a double and pair of singles. Kraus scored a pair of runs to Snyder's one and Sise crossed the plate twice without getting a hit.

The Y-12ers were scheduled to meet K-25 last Friday night when they were hoping to avenge a 9 to 0 trimming handed out in the opening game of the season.

Line score of the Y-12 triumph over Oak Ridge Motors follows:

Team	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Y-12	2	0	0	3	4	0	0	9	10	1																
O. R. Motors	0	0	0	0	2	0	2	4	7	8																

Batteries: Y-12, Sise and Hale. O. R. Motors, L. Little and H. Little.

Women Netters Have Two Matches

The Y-12 women's tennis team still hasn't had a chance to play a match so far this season as rain has halted two scheduled appearances. However, the Y-12 lassies hope to get in a pair of contests this week, being scheduled to meet the Oak Ridge National Laboratory netters Wednesday and K-25 Thursday, both engagements being scheduled for 5:30 o'clock on the Townsite courts. The Y-12ers are defending Oak Ridge City League champions, having walked away with honors last year.

Cards Tackle ORNL In Next Engagement

Overtime diamond clashes seem to be the habit with Y-12ers of late. After the varsity softballers got a pair of marathon melees out of their system the Cardinals followed suit on the ball field last Wednesday night to drop an 11-inning 7-6 battle to the K-25 Hubs. Play ORNL Thursday.

Far from being disheartened over the setbacks, the charges of Co-Managers Bill Burns and Wes Savage will do combat with the Nats of the Oak Ridge National Laboratory at 8 o'clock Thursday night, June 1. After that scrap the Cardinals will take to the road Sunday, June 4, for a Sabbath matinee clash with the Lake City lads on their home grounds. This game will start at 3 o'clock.

The Y-12ers got away fast against their foes from out West and ran up a 5 to 2 lead at the end of two innings. Three runs were pushed across in the opening session by the Cards and two more in the second while K-25 got a pair in the first.

Carter Pitches Good Game

With big "Lefty" Carter pitching airtight ball, prospects looked bright for the Cardinals but the Hubs kept pecking away and with a hit here and there mixed in with some costly Cardinal miscues managed to garner a run at a time to finally tie the game in the last half of the ninth. The 10th frame was scoreless but the Hubs managed to get the deciding tally in the last half of the 11th stanza.

Carter allowed an even dozen hits while his mates were slapping out 11 safeties. In addition to good hurling, the big southpaw rapped out three hits in five trips to the dish. Johnson and Noe each got a pair of safeties.

Score by innings:

Team	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Y-12	3	20	0	0	0	10	0	6	11	5																
K-25	2	00	11	10	1	0	1	7	12	3																

Batteries: Y-12, Carter and Noe. K-25, Redden, Kimball (5) and Smith.

Y-12 Slow Pitch Team Loses To Hospital; Players Sought

The Y-12 team in the Oak Ridge Slow Pitch League got away to a rough start last Wednesday night and dropped its opener to the Oak Ridge Hospital by the score of 10 to 1.

Manager Pete Francis ended up one player short when the game started but the Y-12ers went ahead and played anyhow. As a result, Manager Francis has issued an appeal for more players to carry the Y-12 colors ahead in the league. The slow pitch game is not as strenuous as regular softball and provides a lot of fun and exercise for the players so any Y-12ers wanting to play the sport are asked to call Francis at 7-8373.

In the game with the hospital lads the victors posted all their scores in the first four innings to coast to the triumph.

The next game for the Y-12ers will be against ORNL Wednesday night.

Score by innings:

Team	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Hospital	3	1	2	4	0	0	10	15	4																	
Y-12	0	0	1	0	0	0	0	1	12	4																

Three Y-12ers New Members Of Oak Ridge Power Squadron

Three Y-12ers were scheduled to receive certificates of membership in the Oak Ridge Power Squadron last Friday night at the annual meeting and dinner of the group at the Park Hotel in Clinton. The new members were Dr. E. D. Shipley, H. N. Benninghoff and J. H. Cupp. Mrs. Shipley was to have been granted a membership in the women's division.

Ed Richardson, of Y-12; and M. L. Stephens, a former Y-12er; were scheduled to receive advanced piloting ratings at the meeting last Friday after completing a course in the subject.

Each day 43,000 persons are admitted as patients to hospitals in the United States—one every two seconds!

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Gus (Or Perhaps It Was Gussie) Groundhog Adds Variety To Proceedings In Y-12 Salvage Yard

Through these portals pass some of the dog-gonedest articles and contraptions in the world—these probably are the thoughts of W. H. Haase, foreman of salvage and reclamation in Y-12, in looking over the contents of the salvage yard. It certainly was so recently when he checked in one small groundhog, sometimes called a woodchuck.

The tiny fugitive from Pole Cat Ridge or some other nearby location was found by Ray M. Hines and K. L. Duncan, of the Salvage Department. As "Be Kind To Animals Week" had just been observed, they took pity on Gus (or maybe Gussie) The Groundhog and managed to rustle up some victuals and a barrel in which it could reside.

While Haase was trying to figure out the amount of wood a woodchuck chucks if a woodchuck would chuck wood it was decided to release the little feller into his natural habitat.



6-1459

Y-12 Photos By Vince Moore

BILL HAASE, RIGHT, HAS SEEN A LOT OF MATERIALS pass through the Y-12 salvage yard—but he got one that seemed to stump him recently when a youthful groundhog was brought into the premises. Esther Moody, of The Bulletin office, tests the strange "delivery" with a Geiger counter for radioactivity while C. T. Russell uses protective gloves to hold the animal. K. L. Duncan is ready to wield a protective broom and Ray Hines views the procedure with interest.

Role Of Chemistry In Fabrics Subject Of Sunday Broadcast

An interesting description of the role of chemistry in the textile field will be given on the "Headlines In Chemistry" program to be broadcast over Oak Ridge Radio Station WATO at 9:15 o'clock Sunday night, June 4. The program is sponsored by the East Tennessee Section of the American Chemical Society.



(Continued from Page 2)

a week at her home in Lenoir City . . . Maola Connor spent the holidays in Nashville and attended the state convention of the Business and Professional Women's Club there . . . Irene Turner and her husband spent the Memorial Day holidays in Chattanooga . . . **Bruce Whitaker** and Mrs. W. spent the long week end in Asheville, N. C., visiting friends and fishing.

Olean Rutland, of the Assay Laboratory, traveled a far piece to do her vacationing—going to Boston, Mass., and Canada . . . **Annie Rogers** spent the week end in Belton, S. C., while **Eula Hayes** went up to Morristown, Tenn. . . . The Memorial Day 500-mile automobile races at Indianapolis drew **Dora Whaley**, **Juanita Hendon**, **D. L. Glover** and **E. F. Gammon** . . . Other Laboratory folks were well scattered over the week end—**Ruth Andrew** in Bryson City, N.C., **Nell Leonard** in Rogersville, Tenn., **J. L. Heatherly** in LaFollette, **Walter Rice** in Gadsden, Ala., **Helen Hicks** way down in Florida . . . **Frances Skeen** and several other Y-12ers spent a recent week end in Fontana attending a Methodist Young Adult group meeting . . . Fellow employees presented **Jim Parman** with a walking cane to assist him getting around after he sprained an ankle and refused to stay home.

Bill Hays, of the Security Office, and the missus did right well in tonnage on a recent fishing trip to Norris. Bill got three big 'uns and Josie a couple for a total weight of 18 pounds. After this achievement the Hays family took off over the week end for Paris, Tenn., to visit his folks.

Analytical Laboratory folks are congratulating **Roscoe Barringer** over becoming the proud papa of a baby boy born at Ft. Sanders Hospital in Knoxville May 14. The youngest Barringer has been named **Walter Carl** and weighed in at seven pounds . . . **H. D. Whitehead** kept space in the parenthood derby and reported the birth of an eight and one-half pound daughter, named **Kathy Dianne**, also born at Ft. Sanders Hospital . . . A speedy recovery wish is sent to **Mary Rawson**, recovering from a tonsilectomy at the Baptist Hospital in Knoxville . . . **Alene Carpenter** is welcomed back after a recent illness. . . . **Earline Banic** and her husband, **George Banic**, of Isotope Research and Production, spent a recent week end with her folks at Traveler's Rest, S.C.

Phyllis Finneran and **Betty Fox**, of the Plant Records Office, have joined the Florida parade—going to Daytona Beach for the holidays. . . . **Graham Rudolph** and her husband, **O. B. Rudolph**, of Isotope Research and Production, spent the holidays getting settled in their new home at Concord . . . **Helen McNew** spent the holidays at her home in LaFollette and **Martha Parks** traveled over to Memphis to visit friends.

Clyde Ferrell, of the Property Department; her husband, **George Farrell**, of Maintenance Shops; and Clyde's sister, **Helen Baker**, of Planning and Estimating; planned

Mrs. Carmen Horton, wife of a K-25 scientist, will tell the radio audience about the newest developments in synthetic fabrics as well as how chemistry has improved the quality and production of such standard materials as organdie, voile, seersucker and other cloths. The talk also will describe production of iridescent chambrays and taffetas.

Mrs. Horton also will tell housewives how to test synthetic and real fabrics at home and other interesting facts about uses of chemicals in the field of fabrics.

Warren Rysen, of K-25, will be host on the program.

a lot of fishing over at Douglas Lake over the holidays . . . **Olyne Poindexter** went to Nashville for the holidays.

Johnnie Fugate, of Property Sales, went up to Louisa, Ky., to visit her folks during the holidays.

Helen Matthews, of the Stores Department, went to Okolona, Miss., to spend the holidays with her folks . . . **J. H. Rohland** and his wife went up to Pottsville, Pa., for the holidays . . . **G. H. Booth** went to Nashville for his vacation while **W. G. Vann** took his vacation fishing and visiting Clinton . . . **W. L. McNabb** and family went to Newport over the week end.

A week's vacation in Wartburg was restful for **P. H. Redmon**, of Receiving and Shipping . . . **J. W. Garland** and family visited his folks in Erwin and Johnson and Mrs. Garland's relatives in Kingsport. . . . Fishing on Cherokee Lake was to be the principal objective of **A. V. Bible**, vacationing for two weeks at Morristown . . . **J. H. Talley** is vacationing for a week at Russellville, Tenn.

Speaking of "off to the races," take a gander at **T. D. Doyle**, of the Tool Department. On Memorial Day he was watching his 23rd session of the 500-mile automobile races in Indianapolis . . . **Charles Stuckey** and family attended graduation exercises at Bob Jones College, Greenville, S.C., during the holidays . . . **R. H. Evans** went to Asheville for the week end.

Virginia Ogg, of Maintenance Shops, went to Mayfield, Ky., for her vacation, visiting home folks. . . . **Glenn Wright** took his vacation in Florida . . . **E. C. Stinnett** plans to spend most of his vacation fishing at Douglas Lake . . . **J. H. Patrick** is vacationing for a week at his home in Knoxville . . . **Jim Thorpe** and family spent the holidays in St. Louis, Mo.

G. J. Angele, Plant Engineering, and family rambled down to Sheffield, Ala., for the holidays . . . **W. E. Gary** and folks went over to Nashville . . . **H. L. Martin** had his brother, **Milo Martin**, a former Y-12er, as a visitor recently.

S. T. Burris, of Transportation, vacationed for a week at Oneida, Tenn.

Waynesville, N. C., was the focal point for golf and other relaxation for a group of Y-12ers over the holidays, including Assistant Plant Superintendent **E. C. Cain**, **L. H. Barker**, **J. M. Herndon**, **Harold Ratjen** and **J. C. Bowles**. They were joined by **Dr. C. E. Larson**, former Y-12 Superintendent and now head man over at ORNL.

Carbide's Whiting Unit In Operation 16 Years

(Continued from Page 1)

power house to supply electricity for the multiple needs of the plant.

At the other, or easterly, end of the plant are the chemical production units and at the far end is the Shipping Department from which products are sent to all parts of the country. In this section also is the Maintenance Department, headquarters for the pipefitters, welders, leadburners and other employees who fan out all over the plant repairing and maintaining its diversified equipment.

A visit to one of the production units is interesting. Inside and outside is a welter of multi-colored piping, strange shapes, valves, pumps and other equipment, but not much physical activities. An operator jots down reading from a panel board of dials and gauges in the center of the unit to record the progress of the processes within.

Warehouse Full of Alcohol

Nearby is a bonded warehouse full of alcohol. After the alcohol is shipped out to such customer-goods manufacturers as drug houses, textile companies and paint manufacturers it shows up later as a part of the product of these firms.

In the Shipping Department building crews load tank cars with acetic anhydride, used extensively in the textile industry and a basic ingredient in the manufacture of aspirin. Anhydride is a younger member of the Whiting Carbide production family but one of its most important.

At this building gray steel drums of solvent also are loaded into box cars for shipment to dye manufacturers. Other shipments are bound for makers of perfumes and lotions. Still other shipments made from this department are acetone for one of the large film companies and also to manufacturers of nylon.

Other Whiting shipments sent on their way through this department include drums of pure alcohol ready for swift transport to a Chicago hospital. Then tank cars of isopropanol are dispatched to distributors of rubbing alcohol.

Anti-Freeze Mixtures Canned

Overhead conveyors also carry cans of menthanol-based anti-freezes, which are automatically canned and sealed in the plant, to waiting box cars. Then there are packages of "Prestone" anti-freeze also put up at Whiting for shipment.

On the northern fringes of the plant area a promontory juts out into Lake Michigan. There is located the plant's water-pumping station that supplies thousands of gallons of water daily for the operational needs of the plant.

Still in another section of the plant "Pyrofax" illuminating and heating gas is loaded into tank cars for shipment to bulk distri-

Paper By Rudolph Wins Top Prize

A paper on "Precision Selector for Voltage Regulator Tubes" by **O. B. Rudolph**, of the Y-12 Isotope Research and Production Department, won first prize in a technical papers contest staged May 20 by the East Tennessee Section of the American Institute of Electrical Engineers. Four papers were read at the meeting, which was held at the Ridge Recreation Hall.

Walchli Will Address Physics Seminar Meet

Harold E. Walchli, of the Y-12 Isotope Research and Production Department, is scheduled to lead discussions at the weekly meeting of the Oak Ridge Physics Seminar at 4 o'clock Friday afternoon, June 2. His talk on "A Comparison of Nuclear Resonance Detection Methods" originally was scheduled for April 21 but was postponed when the group heard Prof. Felix Bloch, of Stanford University, a consultant in nuclear induction in Y-12 who was on a brief visit to Oak Ridge at that time. The meeting will be held in the East Lounge of the Ridge Recreation Hall.

Walchli plans to discuss the principles of both nuclear resonance absorption and nuclear induction methods. He also will compare the various experimental techniques used by such scientists as Bloch, Bloomberger, Pound and Purcell.

Of interest to Oak Ridgers will be the application of nuclear resonance detection to the measurement of magnetic field strengths and probing of small volumes for non-uniformities in magnetic field. These methods recently have been successfully applied to very precise determination of certain properties associated with atomic nuclei.

Walchli came to Oak Ridge in 1944 and is presently carrying on nuclear induction investigations in the Y-12 Isotope Physics Group. He took graduate work at Pennsylvania State College where he was an instructor in the Electrical Engineering Department.

The price of liberty is eternal vigilance. We must fight for freedom in our daily lives—by taking the time and trouble to vote wisely, by standing up for our own rights and the rights of others, and by showing our faith in our land by everything we think, say and do.

butores.

To make all this production possible there, of course, are required laboratory technicians and other skilled employees to handle the paper work of the busy organization. In the laboratories technicians keep a sharp eye on control samples of the Whiting products and accurate records are kept of the processes of the plant to enable it to efficiently carry out its part of Carbide's contribution to the nation's industrial and economical security.

Son Of Y-12er Given Scholarship Of \$250

(Continued from Page 1)

of the city.

In making their selections, the Lions Club educational committee closely judged the high school students proposed for the honors. Recommendations of the guidance counselor and the principal of the school on scholarship, achievement, character and personality were obtained by the committee and served as guideposts for its decision.

University of Cincinnati Chosen

Young Roseberry has decided to attend the University of Cincinnati where he will take chemical engineering. He intends to feature physics in his curriculum.

Miss Hurt plans to attend Berea College in Kentucky where she intends to major in English and physical education with the hopes of becoming a high school teacher.

In high school Roy B. Roseberry, Jr., was an outstanding student, being tied for first place scholastically in the class of 242. He was vice-president of the senior class, student band leader, member of the student council and the National Honor Society, the Spanish Club and the Science Club. In his studies he had a definite interest in the field of mathematics and science.

Musical Ability Outstanding

His musical ability and talent was outstanding and in the recent state high school band festival in Memphis he was awarded the only superior rating on the French horn in the state to add to several other awards won in the past.

Both fathers of the Lions Club scholarship winners were guests of the club at the meeting when the awards were presented. The mothers of the recipients were unable to attend because of illness in their families.

This is the fourth year that the Lions Club has given two \$250 scholarships to deserving Oak Ridge High School students to assist them in starting their collegiate education. The club is proud of the fact that out of the six previous recipients of the scholarships, five still are taking collegiate training.

Selections By Former Winners

The 1947 awards went to **Jean Sadler** and **Charles Musten**. Both attended the University of Tennessee but Miss Sadler now is working at the Oak Ridge National Laboratory while Musten is still at the university. In 1948 **Pearl Hamilton** used her scholarship to attend Tennessee Wesleyan College and **Ben Hunter** went to Antioch College. Both are still at these institutions. **Gwen McFall** went to Carson-Newman College on her 1949 scholarship and **Lee Ashcraft** selected the University of Cincinnati and both are continuing their studies.

Success is a ladder that you cannot climb with your hands in your pockets.